(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 July 2005 (07.07.2005)

PCT

(10) International Publication Number WO 2005/062624 A1

(51) International Patent Classification7:

H04N 7/32

..... (.

(21) International Application Number:

PCT/JP2004/018666 ✓

- (22) International Filing Date: 8 December 2004 (08.12.2004)
- (25) Filing Language:

English

(26) Publication Language:

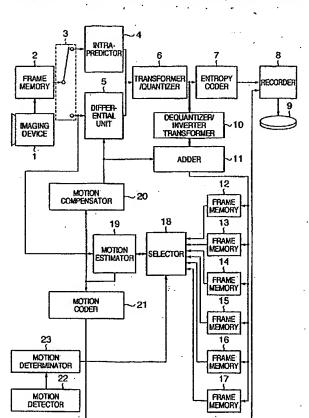
English

- (30) Priority Data: 2003-425826 22 December 2003 (22.12.2003) JI
- (71) Applicant (for all designated States except US): CANON KABUSHIKI KAISHA [JP/JP]; 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): MAEDA, Mitsuru [JP/JP]; c/o Canon Kabushiki Kaisha, 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 (JP).

- Agent: OHTSUKA, Yasunori; 7th Fl., Shuwa Kioicho Park Bldg., 3-6, Kioicho, Chiyoda-ku, Tokyo 102-0094 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: MOTION IMAGE CODING APPARATUS, AND CONTROL METHOD AND PROGRAM OF THE APPARATUS 🖟



(57) Abstract: A motion detector detects the motion of an imaging device. On the basis of the detected motion information, a selector selects, from a plurality of frame memories for storing a plurality of frame data, a frame memory for storing reference frame data to be referred to when frame data to be coded is coded. A motion estimator estimates a motion vector on the basis of the reference frame data stored in the selected frame memory and the frame data to be coded. The frame data to be coded is coded by using the estimated motion vector, and the coded data is output.

WO 2005/062624 A1



SE, SI, SK, TR), OAPI (BF, BJ, CP, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.